

WHAT IS CLAIMED IS:

1. A system for automating data transactions between computer servers; said
2 system comprising:
 - 3 a first computer server maintaining a database having stored data
4 recorded therein;
 - 5 program code residing on said first computer server for creating
6 extracted data by selectively extracting said stored data responsive to a
7 request; and
 - 8 additional program code residing on said first computer server for
9 obtaining a blank form, and for parsing said blank form to identify
10 which of said extracted data should be used to fill in at least a part of
11 said blank form.
1. 2. The system of claim 1 wherein said extracted data includes data for all fields
2 in said blank form.
1. 3. The system of claim 1 wherein said blank form is obtained from a second
2 computer server.
1. 4. The system of claim 1 wherein said blank form is filled in using a fuzzy fill
2 procedure.
1. 5. The system of claim 1 wherein said blank form is a login form.
2. 6. The system of claim 1 wherein said additional program code includes
3 instructions for creating a filled form using said extracted data to fill in said
4 blank form.

5 7. The system of claim 6 wherein said additional program code further includes
6 instructions for submitting said filled form to a second computer server. .

7 8. The system of claim 1 further comprising:

8 an additional database maintained at said first computer server; said
9 additional database having stored form data recorded therein; said
10 stored form data relating to forms required by at least one other
11 computer server.

12 9. The system of claim 8 wherein said additional program code includes
13 instructions for comparing data fields in said blank form with said stored form
14 data recorded in said additional database.

1 10. The system of claim 8 wherein said stored form data includes parsed form
2 data from said at least one other computer server.

3 11. The system of claim 9 further comprising:
4 form filling program instructions residing on said first computer
5 server, using a result of said comparing data fields in said blank form
6 with said stored form data, for creating a filled form by filling in said
7 blank form using a fuzzy fill procedure.

8 12. The system of claim 11 further comprising:
9 form submitting program instructions residing on said first computer
10 server, using a result of said form filling program instructions, for
11 automatically submitting said filled form to a second computer server.

- 1 13. A method of automating data transactions between computer servers; said
- 2 method comprising:
 - 3 maintaining a database having stored data recorded therein at a first
 - 4 computer server;
 - 5 selectively extracting said stored data responsive to a request;
 - 6 obtaining a blank form; and
 - 7 parsing said blank form to identify which of said stored data should be
 - 8 used to fill in at least a part of said blank form.
- 1 14. The method of claim 13 wherein said selectively extracting includes
- 2 extracting data for all fields in said blank form.
- 3 15. The method of claim 13 wherein said obtaining a blank form includes
- 4 receiving form data from a second computer server.
- 5 16. The method of claim 13 wherein said obtaining a blank form includes
- 6 receiving login form data from a second computer server.
- 7 17. The method of claim 13 further comprising:
 - 8 filling in said blank form using a fuzzy fill procedure.
- 9 18. The method of claim 17 further comprising:
 - 10 automatically submitting the result of said filling to a second computer
 - 11 server.
- 12 19. The method of claim 13 further comprising:

17 20. The method of claim 19 wherein said parsing includes comparing data fields
18 in said blank form with said stored form data recorded in said additional
19 database.

1 21. The method of claim 19 wherein said maintaining an additional database
2 includes parsing form data from said at least one other computer server.

9 24. A method of automating login transactions; said method comprising:

10 maintaining a database having stored data recorded therein at a first

11 computer server;

12 selectively extracting said stored data responsive to a request;

13 obtaining a blank login form;

- 1 25. The method of claim 24 wherein said selectively extracting includes
2 extracting data for all fields in said blank login form.
- 3 26. The method of claim 24 wherein said obtaining a blank login form includes
4 receiving form data from said second computer server.
- 5 27. The method of claim 24 wherein said filling in said blank login form includes
6 using a fuzzy fill procedure.
- 7 28. The method of claim 24 further comprising:
 - 8 maintaining an additional database at said first computer server; said
 - 9 additional database having stored form data recorded therein; said
 - 10 stored form data relating to login forms required by at least one other
 - 11 computer server.
- 12 29. The method of claim 28 wherein said parsing includes comparing data fields
13 in said blank login form with said stored form data recorded in said additional
- 14 database.

1 30. The method of claim 28 wherein said maintaining an additional database
2 includes parsing login form data from said at least one other computer server.

00000000000000000000000000000000